

Fig 4

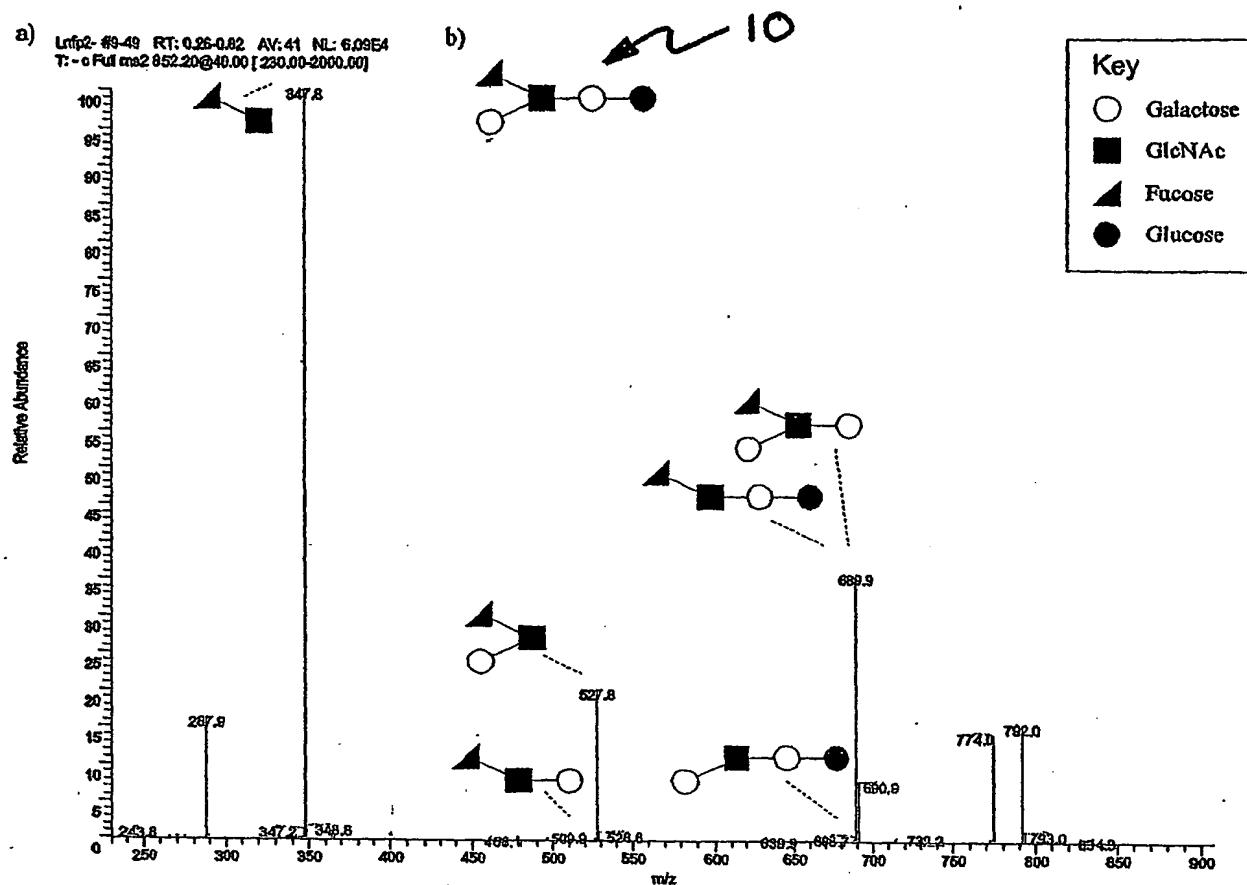


Figure 5

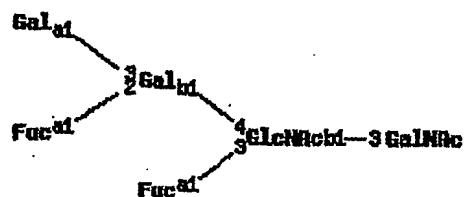


Figure 6 Oligosaccharide structure

cyfbm11b\_a\_01 #352-976 RT: 14.12-14.60 AV:4 NL: 2.20E3  
T: -cd Full ms2 1041.28@40.00 [275.00-1055.00]

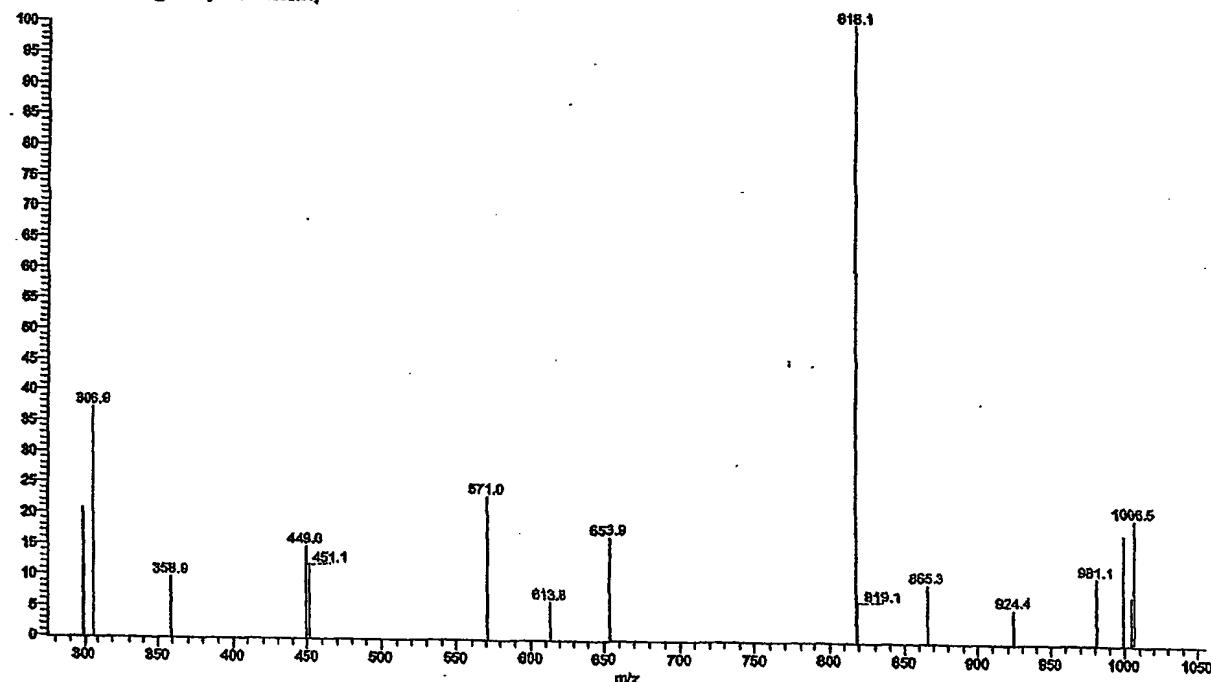


Figure 7 Spectra for oligosaccharide shown in Figure 6

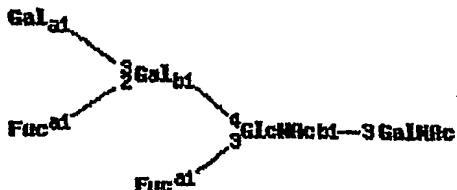
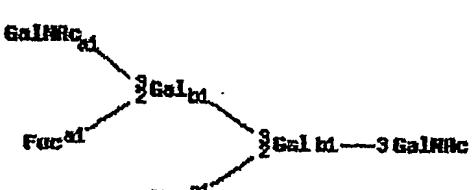
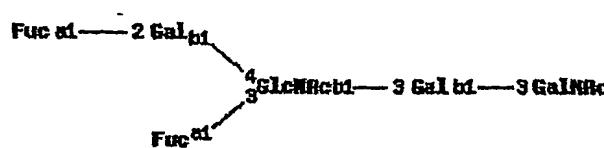
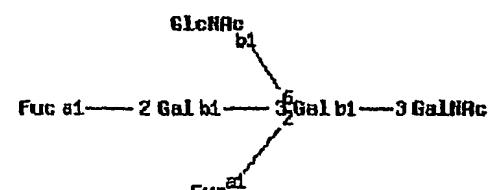
Score	Missed intensities	Grouping score	Structure
.8	123.6	5 out of 5 using 4 double fragments	
.8	156.32	5 out of 5 using 4 double fragments	
.7	141.82	4 out of 5 using 2 double fragments	
.7	147.65	4 out of 5 using 2 double fragments	
.7	162.15	4 out of 5 using 2 double fragments	

FIG 8a

Score	Missed Intensities	Grouping score	Structure
.65	266.98	4 out of 5 using 3 double fragments	<p style="text-align: center;">Fuc<sup>a1</sup> —— 2 Gal<sup>b1</sup> —— 3 Gal<sup>b1</sup> —— 3 GalNac<sup>c1</sup></p> <p style="text-align: right;">GlcNac b1   6   3</p>
.45	286.4	3 out of 5 using 3 double fragments	<p style="text-align: center;">Neu<sup>a1</sup> —— 6 Man<sup>b1</sup> —— 4 GlcNac<sup>c1</sup> —— 4 GlcNac<sup>c1</sup></p> <p style="text-align: right;">Fuc a1   6   3   a1 Fuc</p>
.4	278.51	2 out of 5	<p style="text-align: center;">Fuc<sup>a1</sup> —— 2 Gal<sup>b1</sup> —— 4 GlcNac<sup>c1</sup></p> <p style="text-align: right;">Fuc<sup>a1</sup> —— 2 Gal<sup>b1</sup> —— 6 GalNac<sup>c1</sup></p>
.35	232.08	2 out of 5 with 1 double fragment counted	<p style="text-align: center;">Fuc<sup>a1</sup> —— 3 GlcNac<sup>b1</sup></p> <p style="text-align: right;">Gal<sup>a1</sup> —— 6 GalNac<sup>c1</sup></p>
.35	232.08	2 out of 5 using 1 double fragment	<p style="text-align: center;">Fuc<sup>a1</sup> —— 3 GlcNac<sup>b1</sup></p> <p style="text-align: right;">Gal<sup>b1</sup> —— 6 GalNac<sup>c1</sup></p>

Fig 8b

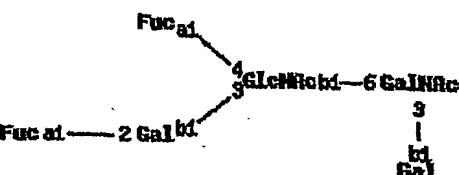
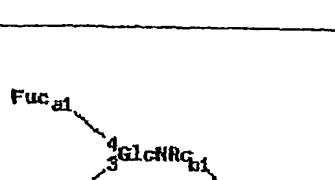
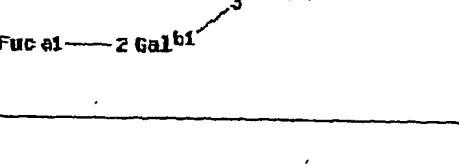
Score	Missed Intensities	Grouping score	Structure
.35	235.24	2 out of 5 using 1 double fragment	
.35	235.57	2 out of 5 using 1 double fragment	
.35	241.07	2 out of 5 using 1 double fragment	
.35	255.57	2 out of 5 using 1 double fragment	

Fig. 8c

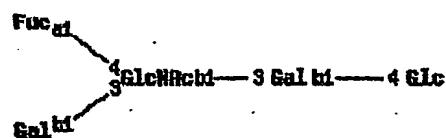


Figure 9

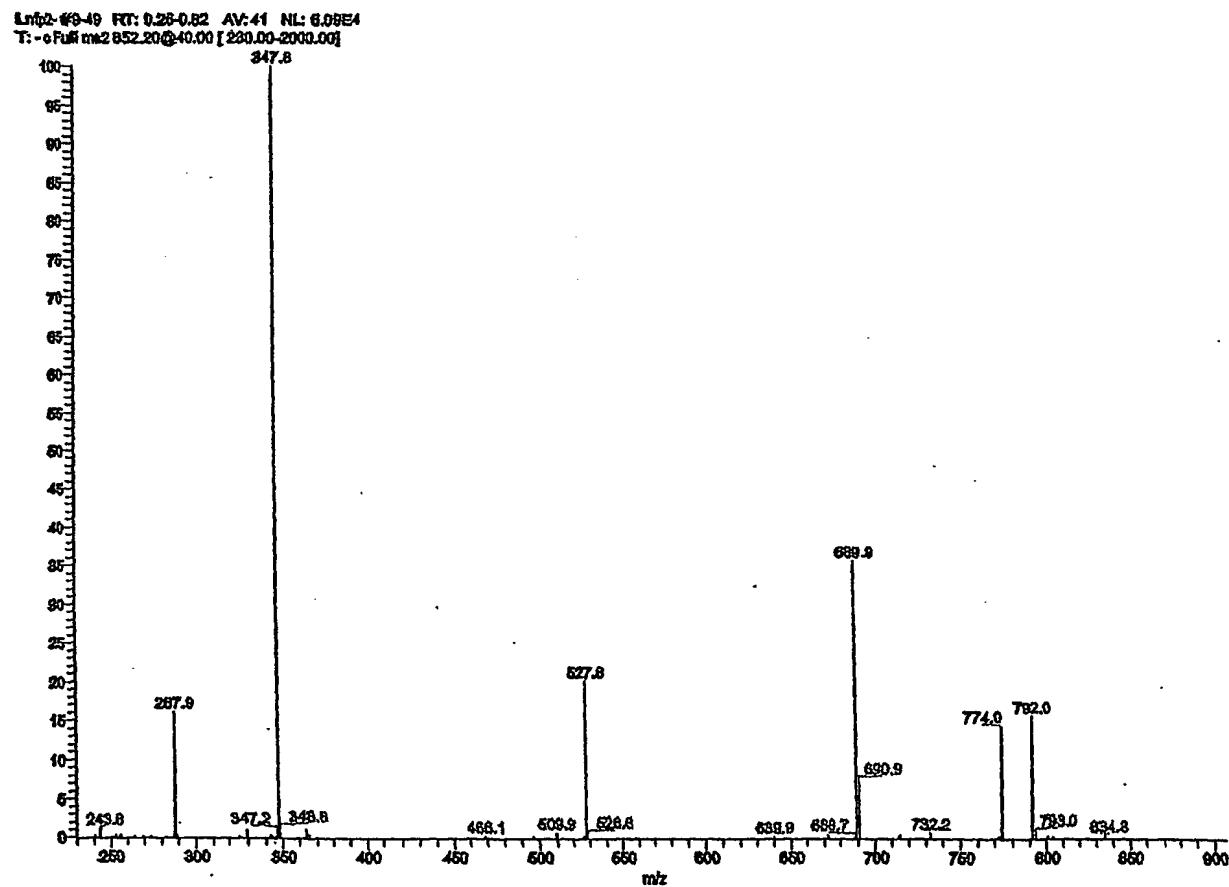


Figure 10

Score	Missed Intensities	Grouping score	Structure
1	29.91	4 out of 4	
1	131.43	4 out of 4	Fuc<sup>a1</sup> — 2 Gal<sup>b1</sup> — 4 GlcNAc<sup>b1</sup> — 3 Gal<sup>b1</sup> — 4 Glc
1	131.43	4 out of 4	Fuc<sup>a1</sup> — 2 Gal<sup>b1</sup> — 3 GlcNAc<sup>b1</sup> — 3 Gal<sup>b1</sup> — 4 Glc
1	131.43	4 out of 4	Fuc<sup>a1</sup> — 2 Gal<sup>b1</sup> — 3 GlcNAc<sup>b1</sup> — 3 Gal<sup>b1</sup> — 4 Glc
.9375	124.3	4 out of 4 using 1 double fragment	
.75	124.87	3 out of 4	
.375	190.01	2 out of 4 using 2 double fragments	GalNAc<sup>b1</sup> — 4 Glc<sup>b1</sup> — 3 Gal<sup>b1</sup> — 3 Gal<sup>b1</sup> — 4 Xyl

FIG 11

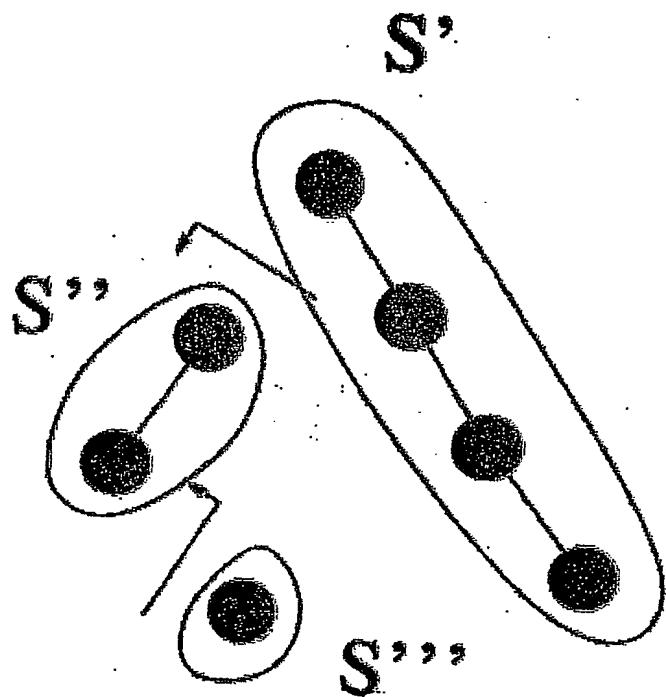


FIG. 13

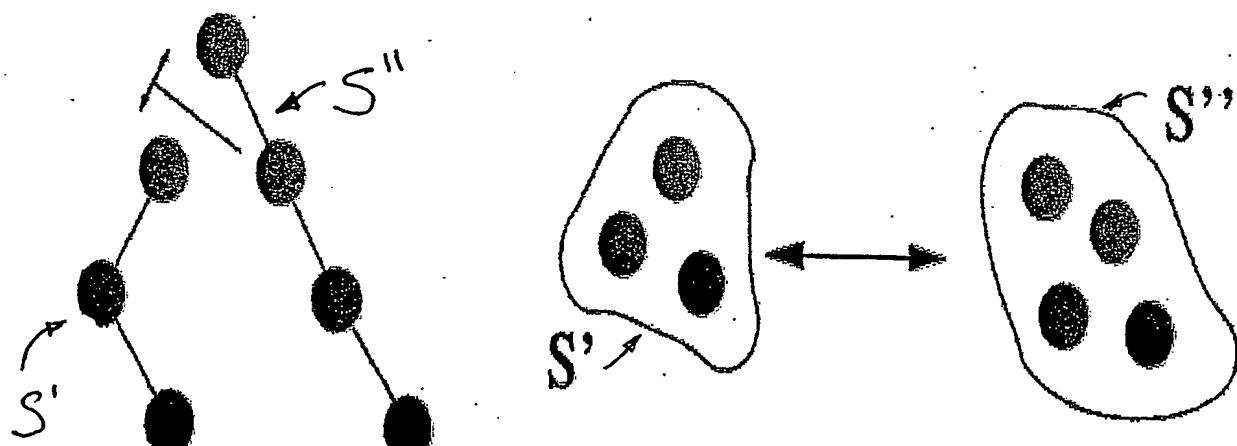
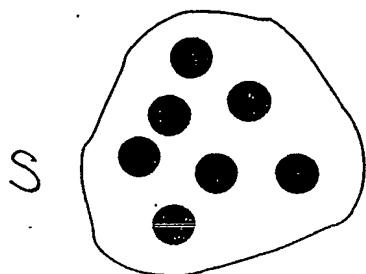


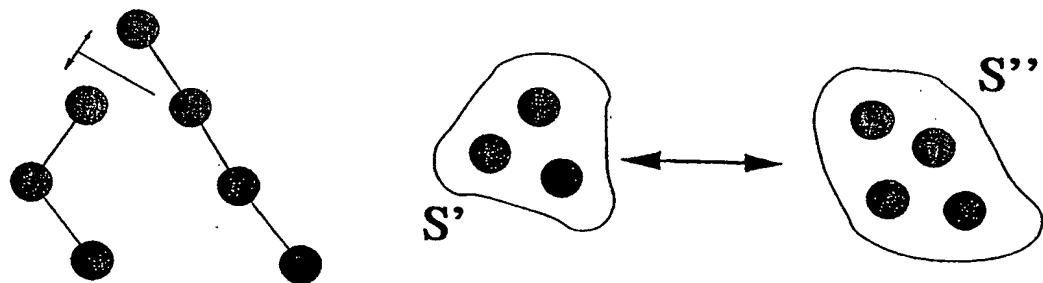
FIG. 12

Fig. 14

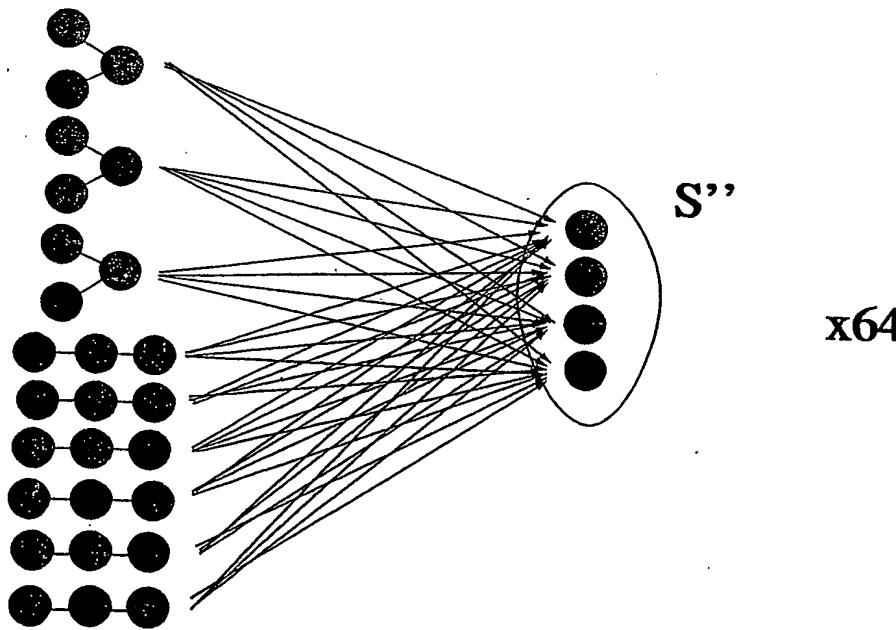
a) No evidence



b) Single fragmentation



c) S'



9

x4

36

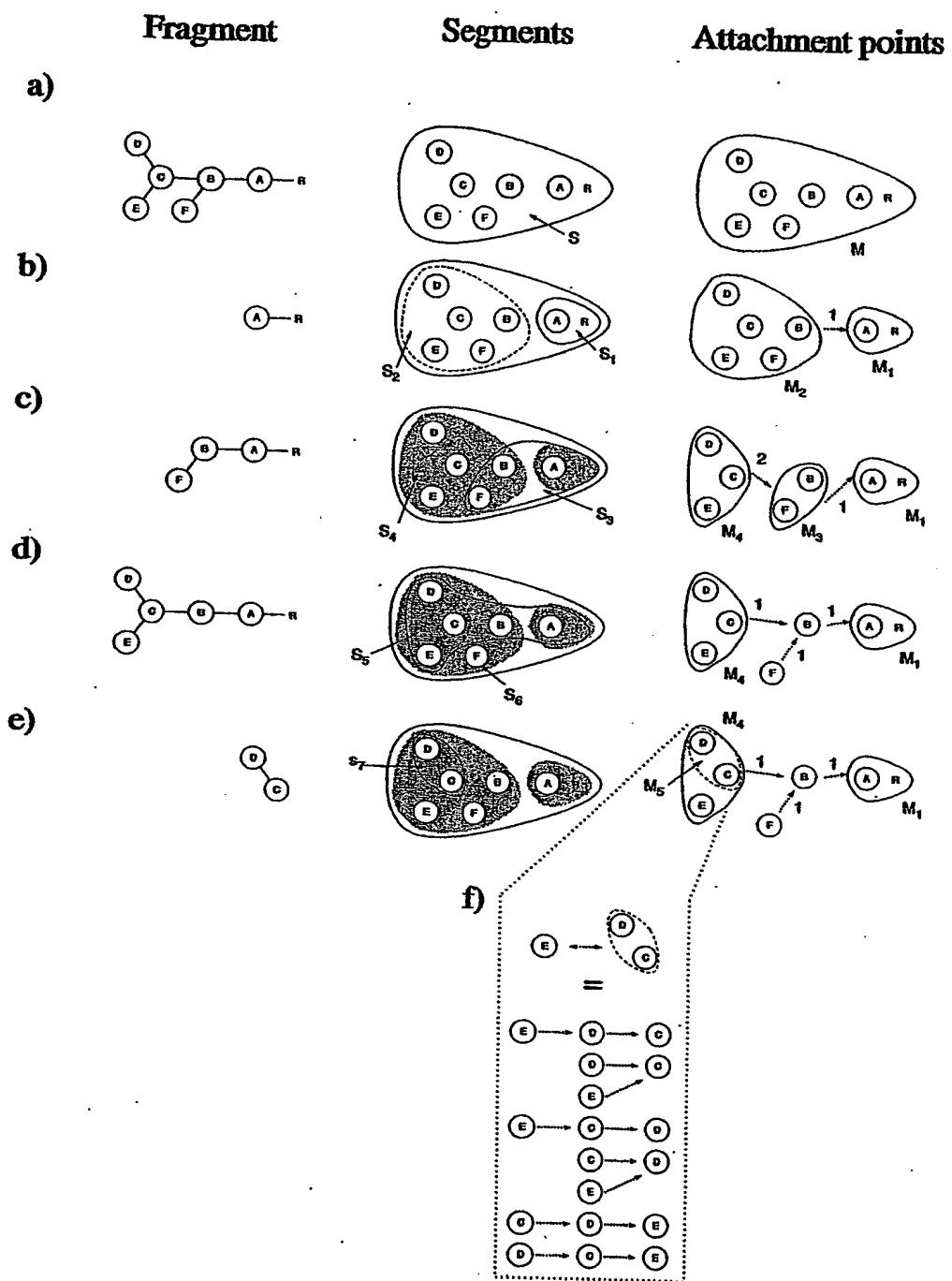


Fig 15

